

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: k5zty@hamgate2.w5-f6cnb.ampr.org  
Subject: [1743] AK-1 KEYER  
Message-ID: <10706@sugarland.ampr.org>

Does anybody know what the current drain on the AK-1 Atomic keyer is at 5v. I wonder if i need to put a switch in the circuit or does it go to sleep like the Super CMOS III keyers do. I'm gonna run it strictly on 3 AA batteries mounted inside the case. I hate to clutter up the outside of the box with a switch if it is not necessary.

72

Bill, K5ZTY

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: Jim Lowman <jmllowman@ix.netcom.com>  
Subject: [1740] Any CQC members or QRPers in Salida, CO?  
Message-ID: <199607282252.PAA01073@dfw-ix2.ix.netcom.com>

Hello all...

I will be in Salida, Colorado from August 4-8, while my wife attends a conference.

Just wondered if there are any fellow CQC members or QRP enthusiasts in that area, for a get-together?

72 de Jim - KF6CR

|                    |                                     |  |
|--------------------|-------------------------------------|--|
| Jim Lowman - KF6CR | ARRL QCWA #27810 FISTS #2122        |  |
| Systems Analyst    | QRP-L #248 ARCI #9095 NorCal #1573  |  |
| San Bernardino, CA | NW QRP #399 NE-QRP #NE456 BC-QRP    |  |
| DM14JC             | MI-QRP #M-1496 CQC #244 G-QRP #9190 |  |
|                    | San Bernardino Microwave Society    |  |

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: Paul Stroud <aa4xx@nando.net>  
Subject: [1747] Bobtail Curtain

Message-ID: <31FC17E6.22E1@nando.net>

> Hi Jim,

>

> I read your recent posting regarding the Bobtail Curtain with  
> great interest, as I just built one and put it up yesterday. Due to  
> Hank's excellent prior posting, I'll not reiterate the info he's  
> already covered.

>

> I modeled several versions of the Bobtail using EZNEC and will  
> be happy to send you the graphics plots in .JPEG format, if you have  
> a program that can read JPEGs (like Netscape Navigator).

>

> I settled on a 40M Bobtail, which will be used for  
> milliwatt/microwatt tests into Europe this Fall. I feed my Bobtail  
> with 50 ohm RG8X, and the match is about 1.5:1, as EZNEC predicts.  
> At resonance, the feedpoint Z is about 36 ohms with the design I used.  
> This Bobtail has the 1/2 wavelength phasing line on the bottom instead  
> of the top. This results in a slightly higher takeoff angle, but  
> enables me to use considerably less coax, while keeping the feedline  
> out of the antenna field. My feedline simply drops straight down from  
> the feedpoint to the ground. The Bobtail is about 138 feet long (again  
> cut for 40M), with a height of 60 ft, supported by 1/4 inch dacron rope  
> between two trees. The bottom horizontal phasing section is about 24  
> ft. off the ground. The center vertical element connects to the inner  
> conductor of the coax, while the coax shield connects to the two outer  
> elements via the phasing line.

>

> Last night, after getting the Bobtail up, I called several EU  
> stations during the contest. Getting through with 5W was no problem.  
> The fun came when UR6QA came back to me while running 900 mW output  
> with my Norcal Sierra! (My Curtain was installed to fire NE/SW from  
> NC.) Stations from the SW USA also show considerable improvement in  
> signal strength over the reference inverted vee.

>

> I have also given some thought to adding a second Bobtail  
> parallel to the first one, separated by 1/4 wavelength and phased to  
> add another 3 dB forward gain and F/B ratio, but that project won't  
> happen anytime real soon. At present, I'm happy with the performance  
> of the single Curtain. Let me know if you want the plots, and I'll  
> fwd them within the next few days.

>

> 72,

> Paul AA4XX nr Raleigh, NC

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996

From: k7yha@juno.com (richard h. arland)  
Subject: [1732] CB to 10 MTR Conversion Data  
Message-ID: <19960728.205531.4447.1.k7yha@juno.com>

Gang:

I have recently acquired three HyGain-type Cybernet CBs that use the PLL-02A chip. Back in the late 70s and early 80s there was an overabundance of data on converting these to 10 FM and CW.

Bob Heil, K9EID, published a book called the "10 Meter FM Handbook" that listed all sorts of ideas for converting these CB sets and setting up remote bases. Unfortunately, I loaned my copy out many moons ago and it never came back home.

Does anyone have a copy of that book that I could buy, borrow or photocopy?

Does anyone have the following articles from 73 mag"}

|                                  |          |
|----------------------------------|----------|
| CB-to-10FM Part I                | Jan 1980 |
| CB-to-10 FM Part II              | Feb 1980 |
| On 10 FM                         | Aug 1980 |
| Peaking & Tweaking HyGain Boards | Mar 1982 |
| Beef Up Your CB-to-CW Conversion | Feb 83   |

The sunspots are coming....or so they say in CQ mag. I want to get two of these units on to 10 FM and the third made into a CW rig to power a set of transverters for 6 & 2 meters.

If anyone out there in QRP land has these articles, please leave me a private e-mail and I'll get back with you ASAP.

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: jeffa@ix.netcom.com (Jeff Anderson)  
Subject: [1726] Chuck & CA QRP BBQ  
Message-ID: <199607281657.JAA20060@dfw-ix3.ix.netcom.com>

Looks like status is GO for the QRP BBQ this coming Tuesday in Mountain View, CA (in lieu of the usual meeting at "Two Guys from Italy.")!

Details are:

Tuesday Evening, 6:30

At QTH of  
Jeff Anderson, WA6AHL  
1607 Bonita Ave.  
Mountain View, CA 94040

415-964-6765 (home)  
408-474-2827 (work)

I'll provide the food, but please RSVP so I can get an idea of the amount required. If it looks like the costs might be overwhelming, there might be a kitty we can all ante into to help share the burden.

And if you have a favorite beverage, you might want to bring it.

73,

- Jeff, WA6AHL

Directions are:

101 South to Mountain View

-----

1. Take 85 Exit South (towards Santa Cruz)
2. From 85, take the El Camino North/Grant Road Exit (Mtn View)
3. The first light you will come to is El Camino. Go straight through this light.
4. At the 3rd light \*after\* El Camino, Turn Right (Cuesta) (There is a small fire house at this corner).
5. Turn Right at 3rd street (Bonita).
6. House is 6th house on right-hand side (1607).

101 North to Mountain View

-----

1. Take the 237 West (Mtn. View) Exit.
2. Continue along 237 to El Camino (3rd light?). Go \*through\* this light.
3. At the 3rd light \*after\* El Camino, Turn Right (Cuesta) (There is a small fire house at this corner).
4. Turn Right at 3rd street (Bonita).
5. House is 6th house on right-hand side (1607).

237 West towards Mountain View

-----

1. Continue along 237 to El Camino (3rd light?). Go \*through\* this light.
2. At the 3rd light \*after\* El Camino, Turn Right (Cuesta) (There is a small fire house at this corner).
3. Turn Right at 3rd street (Bonita).
4. House is 6th house on right-hand side (1607).

#### 85 North Towards 101

-----

1. From 85, take the El Camino North Exit (you'll loop back over 85).
2. Once on El Camino, move into the left-hand lane.
3. At the first light (Grant Road), Turn Left.
4. At the 3rd light \*after\* this turn, Turn Right (Cuesta) (There is a small fire house at this corner).
5. Turn Right at 3rd street (Bonita).
6. House is 6th house on right-hand side (1607).

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996

From: n4so@juno.com (CHARLES K BROWN)

Subject: [1720] CMOS Super Keyer 3

Message-ID: <19960728.074431.7207.3.n4so@juno.com>

References for Super Keyer 3:

73 Amateur Radio Today, CMOS Super Keyer 3, July 1996, page 80, 81.

QST , The CMOS Super Keyer 3, August 1995 page 26-28

ARRL Handbook, The CMOS Super Keyer 2,1995 ed., pages 29-6 thru- 29-11

etched PC board

IDIOM PRESS

Box 1025

Geyserville, CA 95441 no phone

N4SO

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996

From: scott.thomas@circellar.com  
Subject: [1735] CMOS Super Keyer 3  
Message-ID: <9607281733.000BA00@circellar.com>

The recent discussion of this keyer kit reminded me that I have an unbuilt one that I guess I'd have built by now had I really wanted to. Hmm, in any case it is looking for a home. It is in absolutely new condx. I paid the going rate (\$58) for it, and will ship it for \$50.

Scott,  
NM1J

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: Mel Evans <101366.3072@compuserve.com>  
Subject: [1729] Computer Gurus 2!  
Message-ID: <960728201840\_101366.3072\_JHP186-1@CompuServe.COM>

Hi guys,

Many many thanks to the meny who replied. Her's the prob in full.

- 1) Turn on computer
- 2) After ram tests, machine gives out on screen with  
"Fixed Disk Controller failure  
press F1 key to enter SETUP program or  
press any other key to continue"
- 3) pressing any key carries on a normal boot-up and all programs on HD are accessible as usual
- 4) F1 goes into SETUP and gives me a list of 49 alternative Disk drives, of which 48 and 49 are user defined but blank, and 15 is blank and possibly where the info lived originally?
- 5) The HDD is a Western unit, "Caviar 140" 42.7Mb and a label tells me it's got 980cyl+ 5 heads+ 17 spi. I got the unit second-user, so I ain't got the entries for "write precompression" and/or "landing zone".

Any specififc help with this entry much appreciated, and should I put it in on 15 do you think, or one of the user defined slots?

Ta much again

72 and 73 de Mel  
GM6JAG  
Edinburgh Scotland uk  
Home of the last HW9

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: PDouglas12@aol.com  
Subject: [1721] Dennis Marandos where are you?  
Message-ID: <960728105754\_247383432@emout08.mail.aol.com>

Sorry for the bandwidth guys.

Dennis, email to you is bouncing. I can't send you the St. Louis Tuner panels, nor can I even send you simple email.

Preston WJ2V

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: jbennett@ebmud.com  
Subject: [1731] Digital Display?  
Message-ID: <9607282033.AA02124@phantasm>

I'm pretty new to the QRP part of hamming. Have built an OHR-400 and plan to take it with me to KH6 and XE in the upcoming months. Anyway, does anyone have info where I can build/buy a digital display to run off this little rig? The unit has a jack on the rear for local oscillator output. Somewhere I recall seeing an article for something like this, but darned if I can find it. Looked through the ARRL QST online files, but no luck. Any ideas out there?

Jim Bennett, N6PDX (jbennett@ebmud.com)  
Martinez, CA  
QRP-L 596

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: wager@juno.com (James W. Cates)  
Subject: [1725] E-Mail address  
Message-ID: <19960728.085328.3750.7.wager@juno.com>

Re Dan Keene's query as to my address and messages sent and unreplied. I am embarrassed, and have sent him an explanation. I do not recall any except this particular message. My usual routine is to read, reply, and delete. I hope this is the proper sequence.

Anyway, my E-Mail is [wager@juno.com](mailto:wager@juno.com)

I find doing NorCal biz via E-Mail, Vunderbar! No stationary, no envelope, and no stamp to lick.

I check the QRP-L postings every morning. Of course by the time I finish, it's bedtime, so nothing else gets done. hi hi

jim

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: Dan Keen <[70731.722@compuserve.com](mailto:70731.722@compuserve.com)>  
Subject: [1737] E-Mail address  
Message-ID: <960728220228\_70731.722\_EHM84-1@CompuServe.COM>

JamesCates> Re Dan Keene's query as to my address and messages sent and unreplied. I am embarassed, and have sent him an explanation. I do not recall any except this particular message. My usual routine is to read, reply, and delete. I hope this is the proper sequence.

Dan Keen> Thanks Jim, for the quick public and private notes. No need to be embarassed for treating me better then I deserved -- But doubt that you were really "goofing off" in Idaho -- Maybe instead doing serious work like rocketcycle flights over the Snake like Knievel -- HI -- Just Kidding -- Saw the plaque there at Twin Falls bridge once- Folks living in Idaho surely do need tourist dollars -- HI

72

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: Kelly <"[kelman@dialnet.net](mailto:kelman@dialnet.net)"@dialnet.net>  
Subject: [1753] For Sale: MFJ-9040  
Message-ID: <199607290352.WAA28718@shell.dialnet.net>

Hello All,

I have for sale one MFJ-9040. I have made several QSOs with it. Included is the Manual, box and power cord for \$100.00 plus UPS COD shipping. Thanks all...

Kelly Ellison  
WB0WQS - Aurora, Missouri



From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: ke1ex@ids.net (Laurent C. Lafond)  
Subject: [1741] Ham Gear as Carry-On  
Message-ID: <199607282305.TAA61970@nss2.CC.Lehigh.EDU>

Gang,

With all the messages on here about taking our ham gear with us, please be advised that I sent the Prez of the USofA an e-mail today voicing my concerns and asking him to think kindly of us when he enacts some type of legislation or restrictions re the new security guidelines.

Just go to the <http://www.whitehouse.gov> page and you will see a link to send an e-mail to the Prez. Fill in the blanks, being polite, and zip it off to him. This is going to take a concerted effort on all our parts. I made my msg info to [hq@arrl.org](mailto:hq@arrl.org) and [reginfo@arrl.org](mailto:reginfo@arrl.org)

73,

Laurent - A concerned Amateur Radio Operator

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: lscheele@sprynet.com  
Subject: [1748] HW-9 Problem  
Message-ID: <199607290141.SAA18169@m4.sprynet.com>

Anyone have experience troubleshooting a HW-9? I'm working on one for a friend and the receiver is dead, does not transmit, but has good side tone. Also meter is pegged on power up in receive and keyed modes. I have is a scope, freq counter and VOM. No signal generator or other transmitter.

I feel it may be the 2nd mixer, U401. The manual doesn't show a generic part # for it. Wonder if Heath has any parts support? I have checked and confirmed the BFO, HFO and TX out during key down. On transmit I have good TX/OUT (8.30Mhz), but on the other end of the coax, on the T/R board, the frequency jumps to @18Mhz. Maybe my scope probe is picking up the INJ/IN signal and mixing it just because it is close. But nothing on output pin #1. During receive I have good INJ-IN, but no signal out on pin #3, should have 8.3Mhz. Any suggestions on confirming a dead U401? The side tone sounds good.

Thanks

Lonnie, K0LS

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: ukii@megsinet.net (ukii)  
Subject: [1744] IC 735 Mod Result.  
Message-ID: <01BB7CB7.320D1C40@ukii>

Thank you ALL for the info on modifying my Icom 735 to run at qrp level. I found the mod proceedure on the qrp-1 web page to be the ticket! It had a PICTURE of the VR I needed to set. Good thing you guys told me abt that page as from just reading,I would have turned the wrong one! (yes,knucklehead here)

So,previous to mod rig did 100w on 10mtrs and 110w on 80mtrs. After the mod,my maximum output is 85w on 10mtrs and almost 100 on 80. LOW power,which I set as low as possable is 2.4watts on 10mtrs and 1.8watts on 80.

Now,for you engineers out there,I have a SB (sola basic?) meter which uses those Bird type slugs. I have on 2500/1000/100/50 slugs that go 2-30 mhz. I do have a slug for 5watts,but it says 25-60mhz. CAN I USE this slug at lower frequencies? Will it harm the slug,or just be inaccurate? Any help would be great!

One FINAL thing...Please,what are the "favorite" or most common "qrp" freq's per band? Just so I know where to go to..

Best 73 es tn timer

john

N9UKX  
Chgo,IL.

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: ukii@megsinet.net (ukii)  
Subject: [1712] IC 735 to QRP ?  
Message-ID: <01BB7C11.A76F5440@ukii>

Hello all.

I have an Icom 735 which I bought used. It is my only hf rig at this time and was owned by a truck driver who is into the MIDCARS net thing. Anyway,he had modified the front panel a bit. He reversed the SQL and RF gain controns.( I like it actually) The radio can go down close to 5 watts with that knob alone. I guess the potentiometer has a diff value than the original design = called for.

OK,what I am getting at is can I turn down the output from a=20 pot INSIDE the rig? I saw a message on packet about it,but there was a=20 BIG WARNING, not to key for more than 30 seconds... Why would that be = ,assuming its true? I am awaiting info from some people on a kit for me =

to build,but in the mean time I would like to run 1 or 2 watts,which I =  
do,except I have to use an attenuator which also cuts the receive WAY =  
down...

Any help would be greatly appreciated!

73 de john N9UKX  
chgo,il.

ps.. Thank you to ALL who provided me with "HELP FIRST KIT"  
Great info...=20

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: robert bell <rbell@uniserve.com>  
Subject: [1751] Items for sale  
Message-ID: <199607290310.UAA18285@mercury.uniserve.com>

Hi, I have the following items for sale,prices include shipping in the US  
and Canada.

MFJ 971 antenna tuner bought new in may and only used twice and setup for  
6 watt mode \$80 us

AEA PK232mbx with latest ver 7.1 software giving pactor and gps  
modes.Complete with all manuals and two radio cables and in perfect  
working condition \$165 us

Curtis K5 Lil' Bugger electronic keyer,very small and ideal for qrp use \$20

73 Rob.

rbell@uniserve.com

VE7IGZ@VE7KIT

(604)853-5870

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: W3HMS@aol.com  
Subject: [1733] New 10 GHZ FM TV DX Record...50% QRP  
Message-ID: <960728170235\_443909390@emout12.mail.aol.com>

--PART.BOUNDARY.0.11817.emout12.mail.aol.com.838587755

Content-ID: <0\_11817\_838587755@emout12.mail.aol.com.14195>

Content-type: text/plain

The attached file will be of interest to QRPers, microwave fans, and ATVers.

72, John, W3HMS

--PART.BOUNDARY.0.11817.emout12.mail.aol.com.838587755

Content-ID: <0\_11817\_838587755@emout12.mail.aol.com.14196>

Content-type: text/plain;

name="HB9AFAS2.076"

Content-Transfer-Encoding: quoted-printable

hb9afas2.076 =

=

John Jaminet =

W3HMS =

717-697-3633 =

=

28 July 1996 =

=

Note: The following article was received by John Jaminet, W3HMS by Internet from Michel Vonlanthen, HB9AF0. It appears by courtesy of the "Swiss ATV Society" and their News, of which HB9AF0 is also the President and Editor. John, W3HMS is the first American member. =

=

=

NEW WORLD RECORD ON 10 GHZ ATV: 360 miles (591 km) =

by Michel Vonlanthen, HB9AF0 of near Lausanne, Switzerland. =

=

On 18 May 1996, F1JSR and HB9AF0 concluded an amateur television QSO of 360 miles/591 km between the Island of Corsica and Spain which is a new world record on the band and in this mode of FM television. =

=

Serge, F1JSR of near Lake Geneva in France was staying for one week on Corsica, in grid square JN42RQ, in the Serra di Pigno. His altitude was 3139 ft/960 meters above sea level. His equipment was a DRO synthesized transmitter on 10.450 MHz followed by a travelling waves tube amplifier delivering 20 Watts to an "Ikea" parabolic antenna of 16 inches/40 cm in diameter. For reception, he had an offset feed antenna of 33.5 inches/85 cm, an un-modified Astra satellite TV Ku band LNB and a home-made direct detection ATV FM receiver. =

=

For Michel, HB9AF0, in Spain, it was necessary to try several places starting in the region of Toulon, France, and ending with Sierra de Montseny = near Barcelona, Spain in grid square JN11ET at an altitude of 5395 ft/1650 meters above the sea level. He used a DRO transmitter on 10.480 MHz followed by a 1 Watt transistorized power amplifier driving an "Ikea" 16 inch/40 cm parabolic antenna. His receiver system consisted of a 39.5 inch/1 meter diameter parabolic antenna with high precision azimuth/elevation = gearing, a modified Astra Ku band Sat TV LNB with a noise factor of 0,7 dB =

and a modified AR3000 receiver followed by a narrow band ATV FM demodulator in parallel with a normal 12V operated tv-satellite receiver. =0C =

-2- =

=

The QSO was completely bi-directional (DUPLEX) with the signals varying between P0 and P5 with full color. There were very rapid level variations = due probably to the strong wind, the fog and the intermittent rain in Corsica. =

=

Two days before, the same mode FM-ATV QSO was made with Michel, HB9AF0 on the Pic de Nore, in the Department of Tarn in France in grid square JN13FJ at a distance of 350 miles/574 km. In both cases, the QSOs lasted about two hours and the time was close to sunset. =

=

A detailed report will be published in the French and Swiss ATV associations magazines, "B5+" published by the French association and in the "SWISS ATV NEWS". =

=

A PAL VHS video cassette is now in production and will be obtainable from:  
: Swiss ATV, P.O. Box 301, 1024 Ecublens, Switzerland. (Ed. Note: W3HMS will  
attempt to get a NTSC version as before for one of our future meetings.) =

=

73, Michel Vonlanthen, HB9AF0, 21 May 1996 =

=

=

=

END=1A=

--PART.BOUNDARY.0.11817.emout12.mail.aol.com.838587755--

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: John Moyle <john@moyle.demon.co.uk>  
Subject: [1724] Noise-cancelling headphones  
Message-ID: <+Iis3CAkZ4+xEwqS@moyle.demon.co.uk>

Hi!

Can anyone tell me the manufacturers of noise-cancelling headphones?  
I need them both for /p and also to eliminate the sound of the TV in the  
background at home!

73

John G1AWJ & 2E0AIQ

Dr John Moyle MB, BS, CEng, MInstMC, DPallMed, FRCA

Consultant Anaesthetist, Chartered Engineer

35, Midland Road, Olney, Buckinghamshire, MK46 4BL, UK

Tel 01234 241698 Cellphone 0836 244584 <john@moyle.demon.co.uk>

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: William Dennis Zeares <wzeares@post.cis.smu.edu>  
Subject: [1752] Oak Hills Research email address  
Message-ID: <Pine.3.89.9607282202.B17338-0100000@post.cis.smu.edu>

Any one know if OHR has an email address and if

so what is it? TNX, 72, Dennis K3ETS, Dallas

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: Ron Giuntini <rong@slip.net>  
Subject: [1719] Open line feedlines  
Message-ID: <E0ukUqv-0006A5-00@mouse.slip.net>

I'm thinking of putting up a 1/2 size G5RV and I know you have to feed it with twin lead. I am putting together a tuner (ST LOUIS) and I assume this is going to work out pretty well. Does anyone know what type of ladder line is suitable for QRP? Is there a choice? Comments?

Ron KB6GK  
NorCal #1718  
San Francisco

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: n4so@juno.com (CHARLES K BROWN)  
Subject: [1714] Paddle/ RF Problem  
Message-ID: <19960727.233218.6999.1.n4so@juno.com>

SUGGEST that you wrap the input and output cable with a pair of FT-140-43 toroid cores. Ferrite beads such as FB63-73 sold by Palomar Engineers should also work

if fitted over the cable. If you have an external power supply use a third core on the cable to the power supply. You also need a high quality 100 percent shielded cable.

Install the cores by winding 5 to 8 turns of cable around them and as close to the keyer box as possible.

Ref. to: "RFI and the MFJ-432 Voice Keyer", QST Oct. 1995 p. 129.

The ARRL HQ Automated INFO Server has a file called RFIsourc.txt which has sev.

pages of companies and addresses that sell RFI materials and toroid cores.

For a particular RFI problem contact Ed Hare at ARRL at ehare@arrl.org.

If you solve your problem please let me know the specifics of the cure for my file on RFI.

Ken  
N4SO  
n4so@juno.com

For Radio Interference problems in gen. the definitive text is RAdio  
Frequency Interference -- How to Find It and Fix It by the ARRL.

Palomar Engineers  
P. O. Box 462222  
Escondido, CA 92046  
619-747 3343

Amidon Associates  
3122 Alpine  
Santa Ana, CA 92704

nnnn

From owner-qrp-l@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: mvjif@mvubr.att.com  
Subject: [1742] QRP AFIELD RULES  
Message-ID: <199607282310.TAA05750@alig1.att.att.com>

I apologize if these were sent previously, but folks have asked  
for QRP Afield Rules and Ive been on vacation and have not read  
my QRP-L for 2 weeks.....

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#### QRP AFIELD - 1996

QRP AFIELD - 1996 is sponsored by the QRP Club of New England and is  
designed to encourage QRP enthusiasts to field-test their radio equipment  
using temporary antennas and non-commercial power sources.

#### Date/Time

Saturday, September 21, 1996. 1600Z to 2400Z. You may operate a maximum  
of six hours during the contest period.

#### Exchange

QRP-NE Members: RST, State/Province/Country, QRP-NE#  
Non-Members: RST, State/Province/Country, Power Output

#### Definitions

Permanent Location: Any location using commercial power and/or permanently  
installed antennas.

Field Location: Any location using non-commercial power and temporary  
antennas.



High Power QRP: 1 to 5 watts output.  
Low Power QRP: Less than one watt output.

#### Scoring (CW only)

- 1 point for each contact from a permanent location using high power QRP.
- 2 points for each contact from a permanent location using low power QRP.
- 4 points for each contact from a field location using high power QRP.
- 8 points for each contact from a field location using low power QRP.

#### Multipliers

Each State/Province/Country worked counts for one multiplier. Multipliers may be counted only once regardless of band worked.

#### Awards and Results

A plaque will be awarded to the station with the highest point total. Certificates will be awarded to the ten stations with the highest point totals. Complete results will be printed in 72 magazine. To receive a copy of the contest results, please include a #10 SASE with your contest submission.

#### Address

Chester (Chet) Bowles, AA1EX  
RFD 2, Box 335L  
Sharon, NH 03458

QRP AFIELD - 1996

#### Entry Form

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_ QRP-NE# \_\_\_\_\_

-----  
Total Number of Contacts \_\_\_\_\_  
Point/Contact (1) X \_\_\_\_\_  
Subtotal = \_\_\_\_\_  
Number of Multipliers Worked (2)X \_\_\_\_\_  
FINAL SCORE = \_\_\_\_\_

#### 1. Points per contact:

- 1 point for each contact from a permanent location using high power QRP.
- 2 points for each contact from a permanent location using low power QRP.
- 4 points for each contact from a field location using high power QRP.
- 8 points for each contact from a field location using low power QRP.

2. Multipliers: Each State/Province/Country worked counts as one multiplier. Multipliers may be counted only once regardless of band worked.

Transmitter/Xceiver \_\_\_\_\_ Power Output \_\_\_\_\_  
Receiver \_\_\_\_\_ Power Source \_\_\_\_\_

Antenna

-----  
Location  
-----

-----  
Comments  
-----  
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-----  
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-----  
-----

Submit Logs and Dupe Sheets to: Chester (Chet) Bowles, AA1EX  
RFD 2, Box 335L, Sharon, NH 03458

```
*-----*
| CHESTER S. BOWLES           | Education, rehabilitation, housing, |
| Vice President              | and managed care for children,    |
| Crotched Mountain Foundation | adolescents and adults with physical |
| One Verney Drive            | and developmental challenges.      |
| Greenfield, NH 03047        | http://www.cmf.org                 |
| 603.547.3311 ext. 404       | bowles@cmf.org                     |
*-----*
```

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: Jim Stafford W4QO <w4qo@America.Net>  
Subject: [1744] QRP ARCI Banner  
Message-ID: <31FBF40D.3EB4@America.Net>

As info,

For the eastern area of ARCI (call areas 1,2,3,4), I have a banner about 3 x 5 feet which can mailed with appropriate notice to regional clubs or others as availability permits for use at hamfests to promote QRP. Just email me and give me full details on address on where to ship, etc. Or call me at 770-993-9500.

72, Jim Stafford  
BOD member  
11395 West Road  
Roswell, GA 30075-2122  
w4QO@america.net

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: "M. E. Monninger" <markem@primenet.com>  
Subject: [1739] QRP Rigs For Sale  
Message-ID: <1.5.4.32.19960728152630.00305954@mailhost.primenet.com>

Greetings all...

I have three QRP rigs I'd like to sell. They are all assembled from kits and all work fine. I want to raise some \$ for a Sierra or an OHR400 or ???. The idea is to consolidate into one rig that's easier to go portable with (and takes up less shack space).

First is an SWL-40 (actually it's an NE-4040). It's in a Radio Shack box (270-253) and has a 10 turn pot for tuning. Has RCA jack for antenna, 1/4" phone jack for key, 1/8" stereo jack for phones and a coaxial power jack. The front panel has no markings. Works fine, a little more than 1 W out. I have the parts for the mod to increase the power but haven't installed it...they're included. I'd like \$50 shipped.

Next is an NN1G 20M xcvr I got from Dan's a couple years ago. I believe it's the Mark II. It's in a RS box like the SWL-40 above and has the same jack configuration. It has a reduction drive for the tuning and I've kludged up a pointer and made some pencil marks on the panel for calibration...crude but effective but you'd probably want to improve on it. It works fine...output is about 2W. I'd like \$65 for this one, shipped.

Finally I have an SWL-30. It's assembled but not in a case. I also installed the mod to increase the power output to about 2W. I have a box for it (not the RS as above but a smaller one) but never got around to putting it in the box. All the controls are there...again, a 10-turn pot for tuning...and I have the same jacks as above that I'll include. I've used this one just laying naked on the bench (the rig, not me...) with clipleads for power, etc. and it works fine. \$45 shipped.

All the above include original manual/assembly instructions. I've QSO'ed with all of them. If you're interested and/or have any questions, please email me. The prices are about what I have in the rigs. I'd also consider offers for a package deal.

73...      Mark      AA7TA      markem@primenet.com

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [1711] QSL  
Message-ID: <199607280409.EAA14262@chuck.dallas.sgi.com>

Gang,

I got a QSL card today from a K9 that I worked on 30M.  
Actually it was a 8.5x11 page of 100 lb stock.  
Here is something that makes you think (IMHO) of what  
it's all about:

"Ships that pass in the night, and speak to each other in passing,  
Only a signal shown, and a distant voice in the darkness;  
So on the ocean of life, we pass and speak to one another.  
Only a look and a voice, then darkness again and a silence."

. . .  
Chuck Adams (K5FO CP-60) adams@sgi.com  
K5FO TMPS 1995 Qs=222 States=46 Confirmed=127 DX=04 (0.95W)  
K5FO TMPS 1996 Qs=077 States=32 Confirmed=26 DX=04 (0.95W)

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: "Brian Westfall" <bw@mtwest.net>  
Subject: [1730] Radio equip. in Airline Carry ons, Can I..  
Message-ID: <1373558715-4081823@mail.mtwest.net>

I am going on vacation in a couple of days and want to take my Scout  
with me in my Carry on bag. I will also have a little power supply,  
paddles, etc. It all fits in a briefcase. Will this "stuff" make it  
through airport security without any problem. The flight is within  
the US.

Has anyone tried this the last couple of weeks?

Thanks

Brian  
KA0KEV

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: n4so@juno.com (CHARLES K BROWN)  
Subject: [1717] RFI CURES/ REQUEST

Message-ID: <19960728.001553.6999.6.n4so@juno.com>

A file is kept here on Radio Frequency Interference. Most of my cures are from QST or CQ magazine. If you have any specific RFI cures please send them to n4so@juno.com

The information that I need is the type of equipment, the RFI complaint, and the cure that solved it and any other details and references that you discovered.

N4SO  
Ken

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: Mike Czuhajewski <wa8mcq@u1.abs.net>  
Subject: [1728] Source of boxes for club kit?  
Message-ID: <Pine.BSI.3.93.960728155200.24135E-100000@u1.abs.net>

A "new" dealer from Moscow, PA, started showing up at local hamfests and he usually has a box full of Pomona 2906 boxes at a fairly good price. WA4KAC and I have already bought several from him; they are marked at \$4 each, but he's sold them to us at 3 for \$10 twice.

He had several dozen at the latest hamfest, and guesses that he has about a hundred more at home. He said he would be willing to sell by mail if someone wanted to buy a large quantity. I didn't ask about prices, but would suspect he'd go down to at least the 3 for \$10 level that he gave us at the hamfest.

These are Pomona 2906 boxes, in the original ITT Pomona bags. NOTE: These are bare diecast aluminum, unpainted. They are NOT painted the usual "Pomona blue". They have government supply system labels glued on the bags, with national stock number; the nomenclature on the labels is "conduit outlet", but they are completely free of holes (except those that are supposed to be there.)

Description: These are plain, unadorned diecast aluminum boxes. They do NOT have connectors mounted on them, like some Pomona styles do. These are virgin territory, and you get the privilege of putting the first holes in them. Size is 4.25" long, 2.65" wide, 1.7" high, with aluminum cover plus 8 screws. They also have mounting flanges on the ends, at the bottom, and those stick out an additional 0.525" from each end. Inside dimensions are somewhat less due to the thickness of the material, and the ribs/posts that the cover screws go into take away a bit as well.

If anyone is interested, here's the info:

Bob Morgan Test Equipment Sales  
RD 1, Box 1654  
Moscow, PA 18444

FAX/phone (717) 842-1534

Please note that he does not have a catalog. He's one of those "tell me what you want and I'll see if I have any" dealers. He said he does a fair amount of business via UPS, which stops by his place daily. I don't think he wants to get into the onesies-twosies business, but if anyone wants to buy a "large" quantity, such as doing a club kit of some sort, this could be worth looking into.

Usual disclaimers apply--I have no connection with the person other than seeing him at hamfests, and do not warranty his business in any way (though he seems like a reliable, trustworthy individual!).

73 and Queue Our Pea DE WA8MCQ                      wa8mcq@abs.net

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: "J. Skalski" <jskalski@acsu.buffalo.edu>  
Subject: [1736] specs MBR7535 diode?  
Message-ID: <Pine.GS0.3.93.960728180248.9469B-1000000@destrier.acsu.buffalo.edu>

Hello,  
does anyone know the voltage and current rating for this diode?  
I want to use it in a 13.8v power supply.

73,

Jim N2GO  
The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
jskalski@acsu.Buffalo.EDU

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: wb8ygg@juno.com (Bradley S. Mitchell)  
Subject: [1738] Today's hamfest in Batavia , NY  
Message-ID: <19960727.180642.2519.0.WB8YGG@juno.com>

Hi all,  
I went to a really nice hamfest today, my favorite one of the  
year. It's in Batavia, NY.. (farm country)

Not a big hamfest, but the breakfast is good, and the bbq chicken  
for lunch is great.

For QRP, I saw an Argonaut 505, 509, Ten Tec Scout (QRP?)..

The argonauts were going around \$225.

I saw an Index Labs QRP+ . I guess that I see one of these on  
the  
blocks at every hamfest now.

I set up in the flea market.. didn't sell too much, but got to  
talk to a  
few qrpers..!

I find that taking the QRPp, and setting it on the corner of the  
table is  
a sure fire way to attract the qrp crowd. It's amazing now, that  
I run into  
qrpers, and my first question is.. are you on the list? 9/10  
times they say  
oh yeah, and then they look you over and check closer at your  
callsign.

Had a blast! 73 Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: Joe Everhart <n2cx@voicenet.com>  
Subject: [1749] Twenty-30 mast and PVC Gusher II  
Message-ID: <199607290232.WAA23142@mail.voicenet.com>

Gang,

Just a brief reminder. The Twenty-30 portable PVC mast kit will be available

directly from me starting August 1. Described in an article in the April NEQRP organ '72,' it was an NEQRP club project. In fact they still get a cut of the proceeds. See also the review in July '72' and mention in the Club column of the July QRP Quarterly.

Also available is the PVC Gusher II, a 1.5 lb portable QRP dipole kit. It comes pre-assembled with 30 feet of lightweight coax and a BNC connector. All you have to do is cut the included wires to length and attach the end connectors - a 15 minute job. A multi-page manual gives detailed directions for simple single and multi-band configurations (all parts included). It will be featured in the October issue of '72,' but can be ordered now. As with the mast kit, NEQRP benefits from each order.

Details: n2cx@voicenet.com

Twenty-30 mast semi kit     \$15 ppd (US)  
PVC Gusher II antenna kit   \$20 ppd (US)  
Combo mast and antenna kit \$33 ppd (US)

72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com  
home: n2cx@voicenet.com

From owner-qrp-l@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: dave <dcw@msys.net>  
Subject: [1750] yaesu for sale  
Message-ID: <2.2.32.19960729024754.0069cc44@msys.net>

I hope no one minds a fer-sale ad here .....

FS: Yaesu FT 840 100w HF transceiver. Includes additional stuff: CW filter 250 Hz and AM filter 3 KHz... and mobile mount.

Also FS: Timewave DSP 59+.

Best offer on both, together or separately...

dave, aa4zx/8 QRPppppppppp  
dcw@msys.net



From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: wb8ygg@juno.com (Bradley S. Mitchell)  
Subject: [1746] Re: AK-1 KEYER  
Message-ID: <19960728.213659.5231.1.wb8ygg@juno.com>

Hi Bill, my testing shows that at 3v it's about 300 micro amps, idle, current.

Instead of using a true sleep mode, we reduced the current consumption by 2 methods: 1. Using a relatively low freq clock, and 2. Specing a low current pic microcontroller.

A side benefit of the low freq clock is little if any interference on the hf band from computer generated noise.

Doing this we could use a relatively inexpensive PIC microcontroller for this product.

If you run the ak-1 at a higher voltage, it draws more current, almost proportional.

So I have concluded that I will run all my keyers off of 3v, and this works out great.

Probably not a need for the third battery.

I hope all this helps out. 73 es have fun..  
Brad WB8YGG

On Sun, 28 Jul 96 18:06:29 k5zty@hamgate2.w5-f6cnb.ampr.org writes:  
>Does anybody know what the current drain on the AK-1 Atomic keyer is  
>at  
>5v. I wonder if i need to put a switch in the circuit or does it go to  
>sleep like the Super CMOS III keyers do. I'm gonna run it strictly on  
>3  
>AA batteries mounted inside the case. I hate to clutter up the  
>outside of the box with a switch if it is not necessary.  
>72  
>Bill, K5ZTY  
>  
>

From owner-qrp-l@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: chuckolson@juno.com (Chuck Olson)  
Subject: [1718] Re: Anti-CW  
Message-ID: <19960728.012415.4807.3.chuckolson@juno.com>

Glen -

> I've been a Life Member since 1973, and it will make me sick to see  
Me too! It was the best \$150 investment I ever made.

I think that we (on this list) all know the genuine thrill of that first Morse code contact. I remember that my heart was pounding, I was sweating and it took 45 minutes. That poor guy on the other side of Lake Michigan - I got him to send his address and I did get his QSO card. I was a wreck afterwards but very happy and a little proud of myself. Each subsequent contact wasn't quite as thrilling but it is still fun to this day.

I think we have to start communicating how much fun this type of experience can be to prospective hams - everyone likes the feeling of accomplishment - we just have to show them how to get started.

Hopefully a cheapo keyer design from your's truly can make a small contribution towards the greater glory of Morse code - or not!

Best Regards,

Chuck  
WB9KZY  
Washington Island, WI 54246

From owner-qrp-l@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: Steve Hideg <Steve.Hideg.1@nd.edu>  
Subject: [1727] Re: IC 735 to QRP ?  
Message-ID: <v03007803ae21098d4020@[129.74.35.16]>

If you have WWW access, go to the Internet QRP Club's web site at:

<<http://qrp.cc.nd.edu/QRP-L/>>

and go to the Hint's page. You'll find a description of the procedure to set the IC-735 to QRP levels. It includes pictures to help you find the potentiometer.

72,

--Steve

---

Steve Hideg, N8HSC/9 QRP-L #136  
Check out the Internet QRP Club's site on the WorldWide Web:  
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-l@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: k7yha@juno.com (richard h. arland)  
Subject: [1734] Re: Radio equip. in Airline Carry ons, Can I..  
Message-ID: <19960728.213126.4447.3.k7yha@juno.com>

On Sat, 27 Jul 1996 22:49:30 +0000 "Brian Westfall" <bw@mtwest.net>  
writes:  
> Will this "stuff" make it through airport security without any problem.  
The flight is within  
>the US.  
>

Several years ago I was changing planes in Denver. I had a VFO-120 that I had picked up in Austin, TX, in a carry on bag. I was stopped, searched, ALL my bags were searched and I was questioned at length by three security personnel. Luckily I had a copy of my ham license with me along with my military ID card. This seemed to do the trick. This was right after the L-1011 dropped out of the sky at Dallas Airport due to "wind shear". I was surprised at the security reaction at Denver, but glad to see someone was doing their job.

Recently, I was going back to WA state and flew out of Allentown (PA). I was carrying a camera bag and laptop computer. The security staff stopped me, made me take out each camera and lens, they checked each lens by removing the end caps, and had me fire up the laptop to make sure that it worked. this was at a small podunk airport ! Imagine what it would be like at LAX or JFK?

I would strongly advise you to have a copy of your ham license with you and one in you carry on bag. A phone number of a good lawyer might not be totally out of character, either.

With the events of the last week or so, believe it, things will get really tough on airlines as far as electronic carry on gear goes. You might be better off to put the stuff in the checked baggage, and tell the

counter personnel what you have so they don't flip out when they x-ray it.

72 es gl

rich K7YHA

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: wylde@nccn.net (Grover Cleveland)  
Subject: [1745] Re: Radio equip. in Airline Carry ons, Can I..  
Message-ID: <v02130501ae21b1db6f05@[205.139.74.197]>

>On Sat, 27 Jul 1996 22:49:30 +0000 "Brian Westfall" <bw@mtwest.net>  
>writes:  
>> Will this "stuff" make it through airport security without any problem.  
> The flight is within  
>>the US.

>>  
They really get goofy over wire antennas and batteries. I carry my license and, if I have anything homebrew, I carry the construction article. They have no idea what they are looking at but it seems to do the trick.

I fly a great deal and have concluded that the "podunk" airports are much tougher than the big ones.

Grover WT6P

- - -  
P. Grover Cleveland WT6P / QRP/ARCI 3795 / ARS 101 / Norcal 216  
Sr. Engineer - Tektronix  
Fairmont Speeder Pilot  
Certified Steam Locomotive Driver  
Archaeoferroequinologist

Can also be found at: cleveland@usa.net  
groverc@gvgadg.gvg.tek.com  
71213.2741@compuserve.com

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: k5zty@hamgate2.w5-f6cnb.ampr.org  
Subject: [1713] re:Ron Stafford

Message-ID: <10658@sugarland.ampr.org>

Ron Stafford has said that if Amateur Radio didn't exist and was being invented today, that CW ,in all probability, would not be a requirement for licensing,and maybe the time has come to drop it as a requirement. He also said that something must be done to the testing requirements to maintain the quality of operation, and he would appoint a comittee at ARRL to study the matter.

Read it however you like, sounds like his stated position to me.

72,

Bill, K5ZTY

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996

From: chuckolson@juno.com (Chuck Olson)

Subject: [1715] Re: WB9KZY keyer

Message-ID: <19960728.005354.4807.1.chuckolson@juno.com>

>I am very interested in your keyer.

>I love projects that are usefull, cheep, and reproducable without  
>'special' parts.

>I might even to convince my local group to build them as a group  
>project.

Mike -

Thanks for the feedback - I'll get cracking on an article right away!

Best Regards,

Chuck

WB9KZY

Washington Island, WI 54246

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996

From: chuckolson@juno.com (Chuck Olson)

Subject: [1716] Re: WB9KZY keyer

Message-ID: <19960728.005354.4807.2.chuckolson@juno.com>

>What is involved in programming the controller on your keyer? What

>hardware/software is needed? I am looking around for a keyer project.

>The current leader is the Atomic Keyer kit.

>

Dave -

I'm not familiar with the Atomic keyer - sounds a lot more dangerous than my YAK design.

The MC68HC705J1A is the cheapest microcontroller that Motorola sells (\$1.60 in quantity). Unfortunately, Motorola had to deviate from their previous "easy-to-program-by-a-non-professional" design policy to achieve the low price. The J1A programming specs weren't released by Motorola - I think you have to sign an NDA (non-disclosure agreement) to get them. In contrast, the more expensive parts such as the Motorola MC68HC705C8A (as used in the CMOS III keyer) are fairly easy to program at home - several magazine articles have been published on this topic.

SO - the cheapest way is to use the \$99 M68HC705JICS development kit which Motorola released last year with the announcement of the J1A. This kit is mentioned in Jay Craswell's Digibrain article in the March 1996 issue of QST. This is probably overkill unless you want to do some design work of your own. The development kit requires an IBM PC compatible computer running DOS.

Interestingly enough, the latest software for the development kit is on the Motorola Freeware BBS (on the semiconductor web site or telnet to freeware.aus.sps.mot.com).

Anyone working at an electronics type outfit should be able to program this part on the Data I/O or other commercial PROM programmer that they undoubtedly have in-house.

As a last resort I can always supply programmed parts.

But I'd better get busy writing up that article first!

Best Regards,

Chuck  
WB9KZY  
Washington Island, WI 54246

From owner-qrp-1@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: wq8q@juno.com (Rick Tyler)  
Subject: [1723] Re: WB9KZY keyer  
Message-ID: <19960728.111223.7271.3.wq8q@juno.com>

On Sun, 28 Jul 1996 02:03:56 EDT chuckolson@juno.com (Chuck Olson) writes:

>Anyone working at an electronics type outfit should be able to program  
>this part on the Data I/O or other commercial PROM programmer that  
>they undoubtedly have in-house.

>

>As a last resort I can always supply programmed parts.

That's one thing to remember, Chuck. For example, I'm a piano technician and have absolutely no access to programming chips . . . that's why I liked the Super CMOS III keyer kit because the programming was done for me . . . something I couldn't do nor have the desire to do . . . source codes would mean nothing to me. So if you're going to offer a construction project including source codes, I guess you have to make sure that the chips are available programmed for folks like me. I wonder how many hams DO have access to a commercial PROM programmer? I wonder how many CMOS III keyers would have been built if the chips were not available pre-programmed? Good luck in your endeavor . . . I look forward to seeing it in print!

73/72 de Rick, WQ8Q  
Cincinnati

From owner-qrp-l@Lehigh.EDU Sun Jul 28 23:11:59 1996  
From: DYARNES@aol.com  
Subject: [1722] Re: What is a Schurr-Morsetasten  
Message-ID: <960728111051\_443740160@emout19.mail.aol.com>

In a message dated 96-07-27 16:36:32 EDT, k7yha@juno.com (richard h. arland) writes:

<< It is absolutely, positively the very BEST CW paddle set made anywhere in the world! >>

I own a Schurr Profi, and until 2 or 3 weeks ago I would have probably unequivocally echoed K7YHA's endorsement of these Schurr paddles. Then I got a WBL Design model V2L paddle, and now I'm not so sure I don't like it better. I'm here to tell you these are both terrific paddles.

The Schurr is beautiful--and superbly constructed. It is a real showpiece. This is probably the one you want to have your picture taken with for the cover of QRPP. Functionally, it is as good as it looks. I thought I had died and gone to heaven the first time I tried one. Rock solid and great feel.

Now the V2L is definitely different. First of all, it sits vertically. You just have to see this paddle. Secondly, it costs less than half what a Profi costs. I'm not going to give you a review of this paddle--Chuck, K5FO did a

first class job of that a few weeks back. I just want to offer my endorsement. Besides, I can't really explain very well the differences I notice between these two paddles. Some of these differences are so very subtle. There is just something "magical" about the feel of the V2L. You feel immediately like you have a thoroughbred racehorse underneath you, but you also feel you can control it perfectly. It is so smooth!

Anyway, if they ever take my picture for the cover of QRPP I'll probably have that Profi right up front where you can see it. But watch where my fingers are! They well probably be wrapped around the V2L!

72 de David W7AQK